TDS GTNXi Flight Simulator



User's Manual for Flight Simulator

Embrace a New Level of Innovative Avionics: The GTN Xi 750/650 touchscreen.

Using a large, very high-resolution display, offering you unparalleled vivid, ultra-high resolution terrain mapping, advanced graphical flight planning capabilities, geo-referenced charts and many more features, all available at a virtual touch. The GTN Xi will bring a new level of modernism to your virtual cockpit.

Revision 8 - September 2022

| Introduction | 2 |
|---|---|
| Product Features | 2 |
| Installation Instructions Step 1: Installation of the PC Trainer Step 2: Installation of the TDS GTNXi for Microsoft Flight Simulator 2020® | 4 6 7 |
| Running the TDS GTNXi and Connecting to Flight Simulator Maintaining Audio Sound when Flight Simulator is not the active window | 8 8 |
| Interface Features | 9 |
| Avionics Tab | 10 |
| Settings Tab GTNXi Selected Unit to Configure Flight Simulator specific settings Navigation Source Selection | 11 12 13 15 |
| Other Configurable Settings Setting a custom transponder VFR Key code in the Transponder Page User Checklists Custom Flight Plans User Waypoints Hardware-Accelerated GPU Scheduling | 16 16 17 18 19 20 |
| Known IssuesAutopilot Flight DirectorAutopilot Mode Selection annunciationSlight jitters when turning/pitching with autopilot engagedHSI not displaying lateral and vertical deviationRecommendation on alleviating jitteringConfirming autopilot functionality | 23 23 23 23 23 23 24 24 |
| TroubleshootingUninstallationLog FilesAntivirus infection alertFRAPS - Black ScreenAVG/Avast Antivirus Users - Black ScreenPerformance ImprovementsTech Support | 25 27 28 29 30 31 33 |

Introduction

The TDS GTNXi puts safety first, as both an intuitive safety navigation device, along with beautiful, modern mapping features. It includes ultra-high-resolution mapping, terrain information, mapping features: water bodies, political borders, roads, cities.

Worldwide navigation data is included: airports, waypoints, VOR/NDBs, custom waypoints, visual reporting points, airport diagrams including taxiways.

To better assist in flying the perfect navigation procedure, geo-referenced charts (North America Only) can be displayed, or can be incorporated into the map mode.

Being designed from the ground up as a standalone program that runs alongside Flight Simulator 2020, you have the ability to run Flight Simulator on one monitor, while the TDSGTXi can be dragged onto a second monitor.

Starting with version 1.0.1.0, the TDS GTNXi includes full Virtual Cockpit support for add-on aircraft integration in both drawing the LCD display as well as mouse clickspots! We strongly recommend that all users download and install this new version. A full list of compatible aircraft can be found here:

https://tdssim.com/gtnxivcintegration

The TDS GTNXi is more than a GPS unit, it is also an audio panel, giving you the ability to tune COM and NAV frequencies, retrieve the most used frequencies, decode the Morse code identifier (some features are only available in the GTNXi 750). On top of this, both the GTNXi 750 and GTNXi 650 include a full ADS-B transponder which communicates with Flight Simulator.

The TDS GTNXi is a training add-on, used to help you get familiarized with the system. A very important training feature is the ability to control the default Flight Simulator Autopilot by using the NAV function, fly autopilot-coupled IFR approaches in both lateral and vertical modes, including fully coupled LPV approaches.

Realism Note

This software is designed for entertainment use ONLY, it is not designed as a flight training device, even though the quality of the product is exceptional and the fidelity of each key, knob, digital touchscreen functionality are made to resemble a real GPS unit. Some functionality may not be simulated correctly or simulated at all.

Product Features

The TDS GTNXi is a standalone Windows Executable, able to communicate with Microsoft Flight Simulator (2020), offering you the opportunity to move the GTNXi windows to a second monitor.

Starting with version 1.0.1.0, the TDS GTNXi can be fully integrated into the virtual cockpit (VC) of add-on aircraft, both screen display as well as touch screen/mouse control.

Two GTNXi's units included: GTNXi 750 and GTNXi 650

Included in the TDS GTNXi Flight Sim product are both the GTNXi 750 and GTNXi 650, which can be displayed at the same time, both communicating with Flight Simulator.

There is also the ability to change the navigation source from the 750 to the 650 when flying, enabling you to have one flight plan on the GTNXi 750 and another flight plan on the GTNXi 650.

Autopilot

The TDS GTNXi is able to couple to the default Flight Simulator autopilot and send roll and pitch commands. This includes fully autopilot coupled LPV approaches.

Radios/Audio Panel

The TDS GTNXi are able to control the Flight Simulator COM and NAV radio frequencies. Additionally, the GTNXi 750 has an integrated Audio Panel, offering you the ability to control audio navigation sources.

Unprecedented mapping

The TDSGTNXi has an unprecedented, high resolution map, including the ability to display color terrain, airport diagrams, water bodies, borders and other navigation information data.

Databases

The TDSGTNXi navigation database comes preloaded with cycle 2104. While the database can be upgraded, the process is expensive. More information on updating databases will be available in the future.

Weather

At this point, the TDS GTNXi does not support display of flight simulator weather.

ADS-B Traffic Page

The TDS GTNXi has a state of the art ADS-B transponder, giving you the ability to display Flight Simulator targets on the dedicated traffic page as well as on a main Map overlay.

TAWS - Situational Awareness

TAWS-A, TAWS-B, Terrain Proximity, HTERRAIN Proximity, HTAWS-B Ability to select between Female and Male voice. Additional Features

- Selected Altitude Range Arc Receives data from the Flight Simulator Autopilot Altitude Selector Knob and displays the projected range arc on where you will reach the specified altitude, in both climb and descent.
- Dimmable Display Easily customisable from the GTNXi interface
- Ability to modify sound volume Easily customisable from the GTNXi interface

Simulator Requirement:

The TDS GTNXi for Flight Simulator is compatible with Microsoft Flight Simulator (2020)

Minimum System Requirements:

Microsoft Windows 10 64 Bit Version 1909 (November 2019 Update), Intel Core i5-8400 or AMD Ryzen 5 1500X, 16GB RAM, NVIDIA GTX 970 or AMD Radeon RX 590 with at least 4GB Memory, HDD Space: 4GB

Installation Instructions

The TDS GTNXi can be easily downloaded and installed by following these simple instructions:

All download/installations procedures are done via the proprietary TDS GPS Manager application. The application can be downloaded from the sales website, after purchasing the product.

After the application is downloaded, run it from the Downloads folder or the selected download location, file name:

TDSGPSManager.exe

A login screen will be presented where the user has to input the login credentials (email address/password) which were used to register on the sales website, before purchasing the TDS GTNXi.



In case you do not remember the login credentials, please visit the My Account section of the sales website for more information:

http://www.tdssim.com

After successfully logging on, the GTNXi page will display. The first step is to install the required PC Trainer, this is done by pressing the Download and Install button.



Step 1: Installation of the PC Trainer

The first step is to download the PC Trainer, please wait for the download to complete, a progress percentage will be displayed on the screen.

After the download has completed, the installation will start automatically, press Next to advance through the installation screens in order to complete the installation of the PC Trainer. Once the PC Trainer installation is complete, the actual GTNXi PC Trainer will download. After it has downloaded, the installation for this component will start, press Next to advance.

A complete PC Trainer installation can be confirmed by the version number on the left side of the interface and the yellow button displaying Reinstall.

A copy of the PC Trainer will be saved in this location:

C:\ProgramData\TDS\Trainers

Step 2: Installation of the TDS GTNXi for Microsoft Flight Simulator 2020®

To download and install the TDSGTNXi for Flight Simulator, press the yellow Download and Install button to the right of the Flight Simulator label. The entire procedure is done automatically, at the end of the installation a message box will appear, confirming the installation status.

The default installation directory of the TDS GTNXi for Flight Simulator:

C:\ProgramData\TDS\GTNXi\FlightSimEXE

In case the Windows ProgramData directory has been moved to a different location, you can access the TDS GTNXi installation folder by running the Run command(Windows + R key on the keyboard) and typing:

%PROGRAMDATA%\TDS\GTNXi\FlightSimEXE

Running the TDS GTNXi and Connecting to Flight Simulator

Once the TDSGTNXi for Flight Simulator has been installed, a shortcut will be placed on the desktop, which can be used to start the TDS GTNXi. If you are going to use the TDS GTNXi in the Virtual Cockpit as an integrated solution, there is no need to start the standalone desktop shortcut as the startup processes are done automatically by Flight Simulator.



Additionally, a shortcut is added in the Windows Start Menu, under the folder name TDS.



The TDS GTNXi and Flight Simulator must run on the same computer as Flight Simulator; the connection will be established automatically, as soon as Flight Simulator is running in Flight Mode, there is no user intervention needed.

Maintaining Audio Sound when Flight Simulator is not the active window

To maintain Flight Simulator sound when the window is not active, please follow these instructions:

With Flight Simulator loaded on the main menu startup screen, go to the Options tab, GENERAL, then select SOUND.

Make sure that "MUTE AUDIO IN BACKGROUND" is set to OFF.



Interface Features

The TDS GTNXi Flight Simulator interface is split into two tabs:

- Avionics Tab
- Settings Tab

On the bottom right of the interface is the Flight Simulator connection status.

A green indication with the text: "Flight Simulator is connected" means that the TDSGTNXi is communicating properly with Flight Simulator.

A red indication with the text: "Flight Simulator is not running" means that the TDSGTNXi is not communicating properly with Flight Simulator.



Avionics Tab

This tab lets you show and hide the respective GTNXi window, either GTNXi 750 or GTNXi 650. Both units can be shown and used in flight, in parallel.

Clicking on the GTN750Xi button will display a second window which shows the GTNXi 750



Clicking on the GTN650Xi button will display a third window, which shows the GTNXi 650



Settings Tab

The TDSGTNXi provides you the option to customize the product to best suit your specific needs.

General Page settings:

- Navigation Source Selection
- RealSimGear Hardware Compatibility

The settings for each unit are split into two types:

- Flight Simulator specific settings
- Device Settings

All settings can be configured from the User Interface, Settings Tab or from the INI File. We suggest that you configure them from the User Interface.

The location of the INI File is: C:\ProgramData\TDS\GTNXi\FlightSimEXE\TDSGTN.ini



Checking the box **RealSimGear Hardware Compatibility** provides compatibility with RealSimGear hardware

| TDS GTNXi Flight Sim - 1.0.0.7 | | | - 🗆 | |
|--|------------------------------|-----------|-----|--|
| | N. Street of the | | | |
| AVIONICS | Connect GPS to Autopilot | < Nav | > | |
| SETTINGS | Radio Selection | COM1/NAV1 | > | |
| | Connect GPS to HSI OBS (auto | -slew) 🗸 | | |
| | Connect GPS to VOR# OBS | VOR 1 | 2 | |
| | Digital Fuel Computer | | | |
| | Air Data Computer | | | |
| | TAWS Mode | TAWS B | | |
| Flight Simulator connection status: Flight Simulator is connected | TAWS Voice Type | < Female | > | |
| | | | | |

GTNXi Selected Unit to Configure

Flight Simulator specific settings

| Connect GPS to Autopilot | Provides the ability to send roll and pitch commands to the Flight Simulator Autopilot when the VLOC/GPS switch is in GPS Mode. There are two autopilot driving options: NAV = using the autopilot navigation mode (NAV and APR buttons), the preferred method because it provide glidepath support for LPV approaches HDG = a fallback state that drives the heading bug, it does not provide glidepath support for LPV approaches |
|--|--|
| Radio Selection | Provides the ability to select between COM1/NAV1 and COM2/NAV2 |
| Connect GPS to HSI OBS (auto-slew) | Checking this box correlates the MSFS HSI OBS Source with the GTNXi Course, whenever a new waypoint is being entered. |
| Connect GPS to VOR# OBS | Checking this box gives you the ability to change the OBS value of the GTNXi by using the Flight Simulator VOR CDI knob. The VOR source (VOR1 or VOR2) can be selected from the VLOC Source setting below. With the box unchecked, you can change the GTNXi OBS value using the on screen type-in pop-up |

Device Settings

| Digital Fuel Computer | Provides external sensor fuel data to the respective GTNXi unit |
|----------------------------|---|
| Air Data Computer | Provides external sensor air data to the respective GTNXi unit |
| TAWS Mode | Select the TAWS mode: Terrain Proximity , TAWS-A , TAWS-B , HTAWS-B , H-Terrain Proximity |
| TAWS Voice Type | Select the TAWS voice: Female, Male |
| Transponder Settings | Select the default Transponder VFR button code: 1200 (US) , 7000 (EU) , INI File Note: INI File is a custom user option, please read the chapter titled "Setting a custom transponder VFR Key code in the Transponder Page" |
| Airplane Type | Change the airplane type icon in map mode |
| Airplane Color | Select the airplane color between: white and magenta |
| Fuel Type | Select the fuel type: AVGAS, JET-A, JET-B, DIESEL |
| Play Key Sounds | Play key sounds on the touchscreen |
| Play Audio Sounds | Play TAWS sounds from the respective GTNXi unit |
| Show Bezel | Provides the ability to show/hide the GTNXi bezel |
| Lock Aspect Ratio | Keep the aspect ratio to 1:1 when resizing the GTNXi Window |
| Hide Window Frame | Checking this box will hide the Windows title bar and lateral frames, providing a GTNXi only window. The only possibility to move the window is to show the bezel and drag the window from a non-GTNXi touchscreen clickspot |
| Custom Time Zone Offset | Ability to set and remember a custom local offset (time zone) from the System Setup page |
| Reset Window Position | Resets the GTNXi window to the default position/size |

Navigation Source Selection

The TDSXi provides you with the ability to select the GPS Navigation source to drive the autopilot. The current options include:

- TDS GTNXi 750 Unit 1
- TDS GTNXi 650 Unit 1
- Flight Simulator GPS

The active Navigation Source is displayed on the main TDS GTNXi interface, SETTINGS tab. The message "**Navigation Source: Undefined**" is displayed when there is no connection to Flight Simulator.

To cycle between the available navigation sources, push the invisible button located on the top right corner of the GTN750Xi or GTN650Xi, as shown below:



Other Configurable Settings



Setting a custom transponder VFR Key code in the Transponder Page

Setting a custom transponder VFR key code is done via the INI file, which is located here: C:\ProgramData\TDS\GTN\FlightSimEXE\TDSGTN.ini

To change the code for the desired unit: GTN750.1 or GTN650.1, please add this line:

Transponder.VFRCustomCode = 1400

Please note, the Transponder Settings option from the Main Interface / Settings tab must be set to "INI File", the corresponding ini file setting is: **Transponder.VFRCode = 0**

The range of the Transponder code must be from 0000 to 7777, with all digits starting at 0 and ending at 7. This means that the GTNXi will not accept any values of 8 or 9 in any digit places!

User Checklists

The GTNXi supports an electronic version of your aircraft's checklists. Checklists are stored in groups and as you complete a checklist item, you can advance to the next one.

When the GTNXi automatically detects the presence of a checklist file (*checklist.ace*), the Checklists key appears in the Utilities page:



Checklists are created using the Aviation Checklist Editor, found online at this link: https://www8.garmin.com/support/download_details.jsp?id=5075

The file called *checklist.ace* must be saved in this location: C:\ProgramData\TDS\GTNXi

The GTNXi will automatically load the user checklist on startup.

Custom Flight Plans

The GTNXi supports custom flight plans. The method is similar to importing flight plans from a datacard. They permit the user to create custom flight plans using flight planner tools and save them to separate files, which are used by the GTNXi. These flight plans can be previewed, activated or stored inside the GTNXi Flight Plan Catalog.

The flight plans must have the file format: *.gfp* and are stored at this location:

They are stored in this folder: C:\ProgramData\TDS\GTNXi\FPL

Upon the first run of the TDS GTNXi, an empty FPL folder will be created automatically. Please note, the TDS GTNXi reads flight plans on startup, so if you have added a flight plan while the TDS GTNXi is running, you must restart the program for the new flight plan to be loaded.

To activate a flight plan in the GTNXi, from the Home page, access the Flight Plan page, then click on the Menu key. Then access the Catalog function, then click on the Menu key. A pop-up menu should appear with an Import key.



Clicking on the Import key will display a list of all *.gfp* flight plans stored in the FPL folder. Select the desired flight plan to preview it, then you have the option to **Store** it inside the GTNXi's flash memory or automatically **Activate** it, so it can be flown.

User Waypoints

The GTNXi supports the ability to import user created waypoints from a file. The method is similar to importing user waypoints from a datacard. Each user waypoint will have a name, latitude longitude and optional comment.

Note: If a user waypoint is within 0.0001 degrees of latitude and longitude of a GTNXi database waypoint, then the GTNXi's database waypoint will be used.

To create a *user.wpt* file, open a spreadsheet program and each row contains an individual entry. Column A: Waypoint Name

Column B: Comment Column C: Latitude (decimal degrees) Column D: Longitude (decimal degrees)

The file must be saved a .csv file (comma separated values), then renamed to user.wpt

The file called *user.wpt* must be saved in this location: C:\ProgramData\TDS\GTNXi

To import user waypoints, from the Home screen, press the Waypoints key to access the Waypoints page. When the GTNXi automatically detects the presence of a user waypoints file (*user.wpt*), the **Import Waypoints** key automatically appears:



Click on the **Import Waypoints** key to automatically import the waypoints, which will be imported in the **User Waypoint** page.

Hardware-Accelerated GPU Scheduling

Starting with Windows 10, a new feature has been introduced called "Hardware-Accelerated GPU Scheduling". More information on the feature from the link below:

https://www.makeuseof.com/windows-10-gpu-hardware-scheduling-worth-turning-on/

Based on our internal testing, we have seen that having this feature set to **ON**, reduces performance of the GTNXi and MSFS, hence why we suggest that all our customers set the feature to **OFF**.

In order to assist our customers for identifying the **ON** setting, if our TDS GTNXi detects upon startup that GPU Scheduling is **ON**, it will display a pop-up message box as shown below:

| Hardware-Accelerated GPU Scheduling - Potential Performance Con | × |
|--|---|
| We have detected that Windows Hardware-accelerated GPU scheduling is turned ON. | |
| This may cause a performance conflict with the TDS GTNXi into VC Integrated mode. | |
| For optimal TDS GTNXi and MSFS performance, we suggest turning this feature OFF from the Windows Display settings Graphics settings, then reboot the computer. | |
| ОК | |

Important Note

After changing the GPU Scheduling setting, a computer restart is mandatory for the changes to take effect!

We offer the possibility for customers to disable showing this warning message box, however we can not guarantee optimal performance. Disabling the warning message box is done by adding a line in the ini file. The location of the INI File is:

C:\ProgramData\TDS\GTNXi\FlightSimEXE\TDSGTN.ini

Look for the **[General]** section, in case it is missing, you must create it yourself as the first item on top. Please make absolutely sure that you do not have multiple **[General]** sections.

Under the **[General]** section, you must add: **GPUSchedulingDisabled = 1**

Known Issues

Autopilot Flight Director

This known issue has been completely fixed starting with TDS GTNXi version 1.0.1.0!

The autopilot flight director does not display the desired roll/pitch when the GTNXi is operational. This is a Flight Simulator limitation which we hope that will be resolved by the Flight Simulator team.

Autopilot Mode Selection annunciation

This known issue has been completely fixed starting with TDS GTNXi version 1.0.1.0!

The autopilot mode selection annunciator does not display the selected NAV/APR/Glidepath modes when they are engaged using the respective buttons. You can confirm NAV or APR mode engagement by placing the mouse over the button and reading the tooltip. This is a Flight Simulator limitation which we hope that will be resolved by the Flight Simulator team.

Slight jitters when turning/pitching with autopilot engaged

This known issue has been completely fixed starting with TDS GTNXi version 1.0.1.0!

The autopilot may cause slight airplane jitters when turning in/out or when pitching to intercept the glidepath. This only occurs when the GTNXi is driving the Flight Simulator autopilot. This is a Flight Simulator limitation which we hope that will be resolved by the Flight Simulator team.

HSI not displaying lateral and vertical deviation

This known issue has been partly fixed starting with TDS GTNXi version 1.0.1.0!

This known issue has been totally fixed starting with MSFS Service Update 9 (SU9) released 26APR2022 and TDS GTNXi version 1.0.1.3

The HSI displays only horizontal deviation when in GPS mode, unfortunately vertical deviation is not yet supported. This is a Flight Simulator limitation which we hope will be resolved by the Flight Simulator team.

The HSI of any aircraft does not display the horizontal or vertical deviation. Horizontal deviation can always be displayed on the GTNXi main map page. This is a Flight Simulator limitation which we hope will be resolved by the Flight Simulator team.

Important Note

The above-mentioned issues are limitations by the Microsoft Flight Simulator 2020 engine and not limitations of the TDS GTNXi software. As soon as functionality will be implemented by the Flight Simulator team, it will be implemented in the TDS GTNXi for an even better user experience. As soon as the last remaining bug will be fixed, this section will be permanently removed from the manual.

Recommendation on alleviating jittering

We recommend not loading a default Flight Simulator flight plan in the main Flight Simulator or default GNS units when planning to use the TDS GTNXi autopilot in NAV/APR mode. Doing so will cause jitters. This is a temporary Flight Simulator limitation which we hope will be resolved by the Flight Simulator team.

Confirming autopilot functionality

In order to confirm that Flight Simulator will use the TDS GTNXi navigation data to drive the autopilot in NAV/APR mode, these conditions must be met:

- A flight plan / DTO has to be entered into the TDS GTNXi and the GPS/VLOC switch is set to GPS mode.
- The Flight Simulator autopilot must be engaged in NAV/APR mode

Confirming that the Flight Simulator autopilot is engaged in NAV/APR mode: Place the mouse over the NAV/APR button and it will display a tooltip. In the picture below, autopilot NAV mode is engaged (ON), hence the tooltip stating "*Turn NAV mode OFF*", meaning that if you push the button again, NAV mode will be disengaged. The wording is reversed and it may sound a bit confusing, so please thoroughly read what is stated below:

To confirm autopilot IS engaged in NAV mode, the tooltip should state:

Turn NAV mode OFF

To confirm autopilot is **NOT engaged** in NAV mode, the tooltip should state:

Turn NAV mode ON



The same applies to autopilot APR mode in order to fly LPV approaches.

Troubleshooting

Uninstallation

The TDS GTNXi can be easily and quickly uninstalled from the TDS GPS Manager. To uninstall the TDS GTNXi, open the TDS GPS Manager, login using your credentials, then access the Settings tab. You should see a screen as shown below, just select Flight Simulator and confirm the uninstall action.



Log Files

The TDS GTNXi provides the ability to log information, warning and errors. The information is saved into log files, as described below:

- **TDSGTNXiExeLog.txt** for the main executable
- TDSGTNXi750Unit1Log.txt for the GTNXi 750 Unit 1
- TDSGTNXi650Unit1Log.txt for the GTNXi 650 Unit 1

These Files are saved in the Windows Documents folder.

They provide the information needed to troubleshoot most problems.

Antivirus infection alert

During the installation or when running the TDS GTNXi, your antivirus may display an alert that a file may be infected with a virus. This is a **false positive** alert, all TDS GTNXi files are checked before being packaged and they do not contain any viruses.

These alerts are **false positives** and TDS GTNXi all files quarantined/deleted by the antivirus should be restored.

The files that may be quarantined/deleted by the antivirus program are:

TDSGTNXiFlightSimEXE.exe

TDSGTNServices.dll

Both files are located here:

C:\ProgramData\TDS\GTNXi\FlightSimEXE

In case the antivirus has quarantined/deleted any one of the two files, please restore the file from the quarantine or reinstall the TDS GTNXi from the TDS GPS Manager.

For all problems/questions regarding antivirus alerts, please post in the support forum.

FRAPS - Black Screen

The TDS GTNXi is currently incompatible with FRAPS, the incompatibility will lead to black screens on both GTNXi displays. The solution is to close FRAPS when using the TDS GTNXi

AVG/Avast Antivirus Users - Black Screen

In the very rare case when AVG/Avast Antivirus is installed and the customer experiences the GTNXi black screen, the solution is to add an antivirus exception for the TDS GTNXI Flight Sim installation folder and the PC Trainer executable folder or to temporarily disable real-time protection to confirm that this is the correct fix.

Since this is a moderately complex process, we suggest contacting tech support for instructions.

This problem has only been encountered with AVG/Avast Antivirus!

Performance Improvements

Below is a three step guide on improving performance of the TDS GTNXi within MSFS. We recommend that all users apply these performance improvements for a much improved experience.

Thanks to AirborneGeek for creating a YouTube video explaining all these performance steps in details:

https://www.youtube.com/watch?v=naleflcBvWw

Step 1:

Thanks to TDS GTNXi user and streamer Clumsy: https://www.twitch.tv/theclumsygeek

And with the great assessment pointed by Ryan Butterworth

We have been able to find a proper solution for customers experiencing performance degradation (FPS decrease) within MSFS and the TDS GTNXi.

As this problem occurs only on some machines and we can't correlate the exact cause, we can't have a general fix, but we can point users who experience problems to this fix.

To resolve the problem, you must add an exclusion to Windows Defender for two processes:

gtn_simulator.exe and FlightSimulator.exe

As described here:

https://support.microsoft.com/en-us/wind...01afe13b26

When clicking on Add Exclusion, select Process and then type the name and the extension, as shown above or in the screenshot below.



Step 2:

Enable a different drawing algorithm inside MSFS. With the Developer Mode active, access the Options Menu, then under the Experimental section, check the "Use NanoVG for XML gauges"

This should decrease the load on the Main Thread and hopefully provide a performance increase using the TDS GTNXi as a VC Integrated option.

Step 3:

Make sure to disable GPU Hardware Scheduling, then reboot the PC for the changes to take effect:

https://www.makeuseof.com/windows-10-gpu...urning-on/

Tech Support

To obtain tech support for the TDS GTNXi, please post your questions to the support forum:

forum.tdssim.com

You can also obtain support in the official TDS Sim Software GTNXi Discord channel:

https://discord.gg/NupgPCUgsH

To keep up to date with news, pictures and all other TDS SIm Software information, you can visit and **Like** our **Facebook** page:

https://www.facebook.com/tdssimsoftware

We stand by our products and we will treat all tech support questions with utmost importance. We do our best to answer your question promptly.

For all other inquiries, please email us at:

support@tdssim.com